ABSTRACT

DISSERTATION/THESIS/RESEARCH PAPER/CREATIVE PROJECT: Market Share: Feasibility Study For A Multifamily Unit Infill Green Development

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PAGES: 71

This feasibility study presents a comprehensive overview of incorporating 'green', energy efficient technology into an infill development of multifamily residential units within the context of Muncie Indiana. An evaluation of applicable 'green' technologies and implementation are included. The most cost-effective 'green' and energy efficient applications for residential development are basic design and site orientation principals. Major energy delivery or generation systems have a longer return on investment period. The research suggests that there are 'green' and energy efficient applications that can be successfully and profitably incorporated into multi-unit residential development. However, for any development to be truly 'green' or sustainable it needs to consider the true life-cycle costs of demolition and construction of the site. A subsequent business plan presents the financial feasibility of constructing the multifamily unit development.